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NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 90 A/R TO FILL GAPS AND FILLET EDGES.

2 APPLY F/N 91 TO FAYING SURFACES.

3 DELETED.

4 MATCH DRILL HOLES THROUGH F/N 26 or F/N 98 AND FUSELAGE.

5 SHIM GAP BETWEEN F/N 1 & 26 AS NEEDED.

6 AT CUSTOMERS OPTION, INSTALL F/N 96 BY MATCH DRILLING ONTO F/N 1 FOR KIT P/N 647.7301 or F/N 99 FOR KIT P/N 647.7304.

7 647.7301 INSTALLATION FOR EC135.

8 647.7304 INSTALLATION FOR EC135 T2/P2.

9 EXCEPT WHERE NOTED, INSTALLATION FOR 647.7304 AND 647.7307 SAME AS 647.7301.

10 CUT LENGTH: 16 INCHES.

11 INSTALLATION FOR 647.7307 AND 647.7304 ARE IDENTICAL EXCEPT 647.1405 (F/N 111) REPLACES 647.1404 (F/N 99).

12 DETAIL W REFLECTS THE UNIQUE 647.1405 ASSEMBLY (F/N 111) USED ON 647.7307 THAT REPLACES 647.1404 (F/N 99) ON 647.7304.

13 ADDITIONAL KITS FOR SUB-ASSEMBLIES OF THE 647.7301, 647.7304, AND 647.7307 ASSEMBLIES ARE DEFINED BY MPP-195

4	4	4	50	601.3130	BOLT	NAS6603-16	
4	4	4	49	601.1500	BOLT	NAS6603-12	
4	4	4	48	601.2669	BOLT	AN4C7A	
1	1	1	47	601.1324	BOLT	AN4CH6A	
4	4	4	46	601.2826	BOLT	AN3-11A	
2	2	2	45	601.2823	BOLT	AN3-4A	
12	12	12	44	600.0795	NUTPLATE	MS21047-3	
2	2	2	43	601.3004	CAMLOC STUD		
2	2	2	42	601.3005	CAMLOC RETAINER		
2	2	2	41	601.3006	CAMLOC RECEPTACLE		
4	4	4	40	601.3119	CLEVIS	AN665-34R	
2	2	2	39	601.3120	EYE BOLT	AN44-12A	
		2	38	601.3121	EYE BOLT	AN44-5A	
1	1	1	37	601.3007	GROMMET	MS21266-2N	
A/R	A/R	A/R	36	601.3011	P-SEAL		10
1	1	1	35	647.3201	GROUNDING CABLE ASSY		
		4	34	647.2511	NUT		
		4	33	647.2510	SLEEVE		
13	13	13	32	647.1812	SHIM		
2	2	2	31	647.1811	SPACER		
1	1	1	30	647.1602	DOUBLER ASSY		
1	1	1	29	647.1914	BRACKET		
1	1	1	28	647.7822	EYE BOLT FITTING RH		
1	1	1	27	647.7821	EYE BOLT FITTING LH		
		1	26	647.7818	MOUNTING CHANNEL		
7307	7304	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

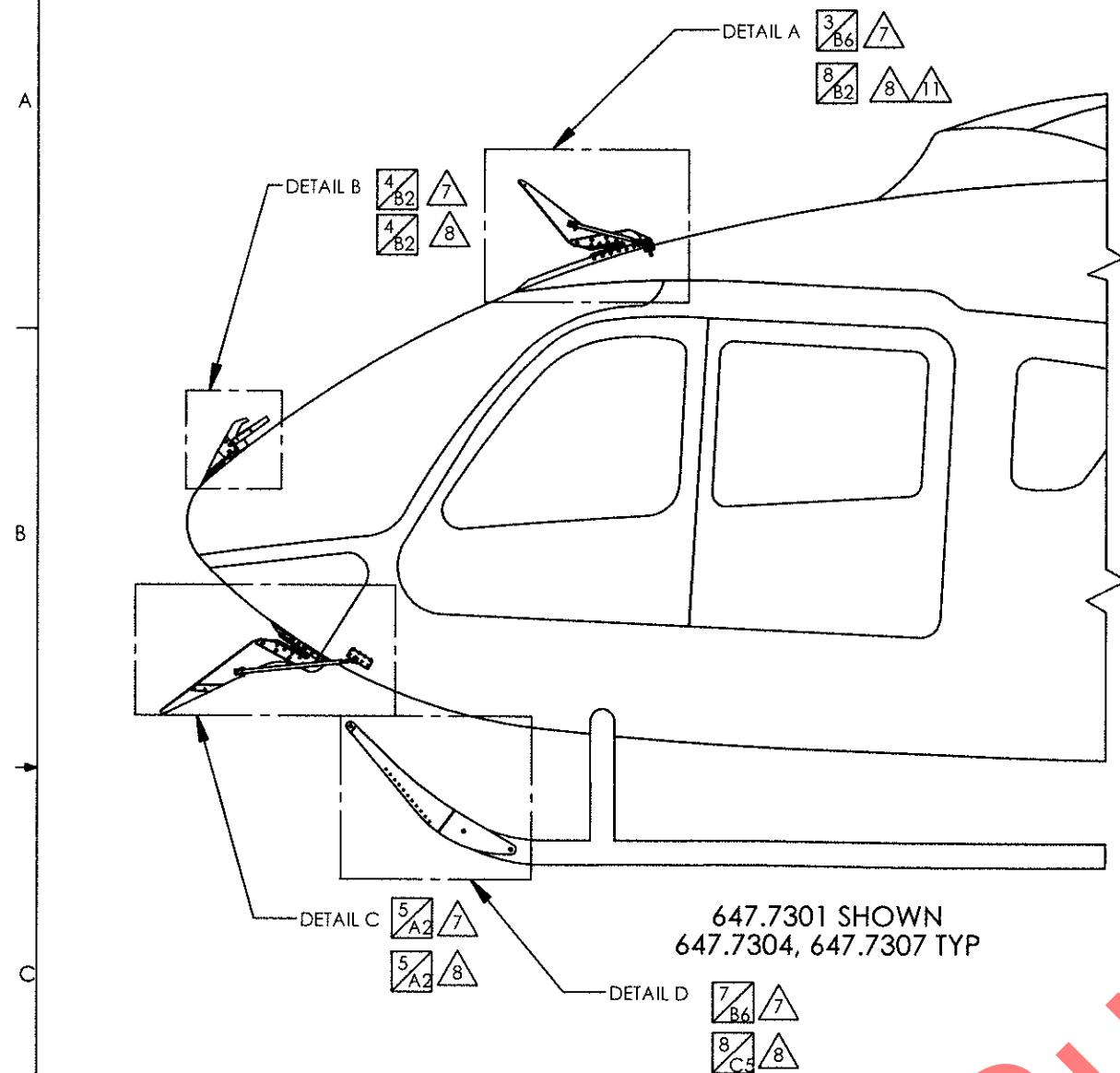
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR4		N/C
H/C	INITIAL RELEASE	01/13/09	P. BRAVO
A	INCORPORATED ECNS 02938, 03000, 03044, 03066	02/16/11	P. BRAVO
B	INCORPORATED ECN 05325	03/09/16	P. BRAVO
C	INCORPORATED ECN 05550, 05465	11/01/16	P. BRAVO

		1	25	647.7820	CROSS BRACKET AFT		
1	1	1	24	647.7819	CROSS BRACKET FWD		
1	1	1	23	647.7918	BRACKET		
1	1	1	22	647.7917	BRACKET		
2	2	2	21	647.7916	BRACKET		
1	1	1	20	647.7915	BRACKET		
1	1	1	19	647.7914	BRACKET		
2	2	2	18	647.7913	DOUBLER		
4	4	4	17	647.7912	CLIP		
2	2	2	16	647.7911	BRACKET		
2	2	2	15	647.7910	ANGLE BACKET		
4	4	4	14	647.0112	STRUT BRACKET		
1	1	1	13	647.1810	NOSE DOOR DOUBLER		
1	1	1	12	647.1818	NOSE DOOR SPACER		
2	2	2	11	647.7701	STRUT ASSY		
2	2	2	10	647.7702	STRUT ASSY		
1	1	1	9	647.1815	GUSSET, RH		
1	1	1	8	647.1814	GUSSET, LH		
1	1	1	7	647.1915	SUPPORT ANGLE		
1	1	1	6	647.1913	TEE		
1	1	1	5	647.1610	WIPER DEFLECTOR, FWD		
1	1	1	4	647.1601	WIPER DEFLECTOR ASSY, AFT		
		2	3	647.1701	SKID DEFLECTOR ASSY		
1	1	1	2	647.7501	LOWER CUTTER ASSY		
		1	1	647.7401	UPPER CUTTER ASSY		
X				647.7307	EC135 T3/P3 CABLE CUTTERS KIT	13	
				647.7306	T2/P2 REMOVABLE PROVISIONS KIT	13	
				647.7305	T2/P2 FIXED PROVISIONS KIT	13	
	X			647.7304	EC135 T2/P2 CABLE CUTTERS KIT	13	
				647.7303	T1/P1 REMOVABLE PROVISIONS KIT	13	
				647.7302	T1/P1 FIXED PROVISIONS KIT	13	
		X		647.7301	EC135 T1/P1 CABLE CUTTERS KIT	13	
7307	7304	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

UNDER REVIEW
URF 17-611 SAD

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 11/24/09 DRAWN BY A. QUAN CHECKER D.BARKER DRAWING APPROVAL P. BRAVO 01/13/10 CONTRACT NO.	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	EC135 CABLE CUTTERS KIT
SIZE	CAGE CODE	DWG. NO.	REV.
B	07M26	647.7300	C
SCALE NONE		SHEET 1 OF 8	

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647.7301 SHOWN
647.7304, 647.7307 TYP

1			111	647.1405	CUTTER ASSY (UPPER)		
2	2		110	601.3902	EYE BOLT		
2	2		109	601.2910	SCREW	MS27039-1-18	
4	4		108	601.3963	BOLT	93635A212	
8	8		107	601.3654	BOLT	LN9037-08018	
8	8		106	601.3655	LOCK WASHER	LN9025-0820K	
2	2		105	647.1702	SKID DEFLECTOR ASSY		
8	8	8	104	601.3214	CHERRY RIVET	CR3523-5-3	
24	24	24	103	601.3213	CHERRY RIVET	CR3523-4-4	
4	4	4	102	601.3212	CHERRY RIVET	CR3523-4-3	
5	5		101	601.1541	LOCKNUT	MS21042L08	
5	5		100	601.2765	SCREW	MS27039-0819	
1	1		98	647.2114	UPPER U CHANNEL		
1	1		97	647.7823	CROSS BRACKET AFT		
1	1	1	96	647.5701	GPS MOUNT KIT		
7307	7304	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

		8	95	601.1097	WASHER	NAS1149F0463P	
		1	94	647.7919	SHIM		
A/R	A/R	A/R	93	600.0990	MAGNOBOND 6398 PART A		
A/R	A/R	A/R	92	600.0991	MAGNOBOND 6398 PART B		
A/R	A/R	A/R	91	601.2045	RTV	LOCTITE 598	
A/R	A/R	A/R	90	600.1012	SEALANT	PR-1425 CLASS B	
3	3	3	89	601.2375	WASHER		
4	4	4	88	601.3126	WASHER	NAS1149F0532P	
12	12	8	87	601.3663	WASHER	NAS1149C0432R	
89	89	86	86	601.1607	WASHER	NAS1149F0332P	
25	25	14	85	601.2764	WASHER	NAS1149FN832P	
2	2	2	84	601.3136	CHERRY RIVET	CR3212-5-6	
8	8	8	83	601.3215	CHERRY RIVET	CR3522-5-3	
8	8	8	82	601.3216	CHERRY RIVET	CR3522-4-3	
12	12	12	81	601.2481	CHERRY RIVET	CR3213-5-4	
16	16	16	80	601.2020	CHERRY RIVET	CR3213-5-3	
17	17	17	79	601.2991	CHERRY RIVET	CR3213-4-6	
8	8	8	78	601.1183	CHERRY RIVET	CR3213-4-5	
16	16	16	77	601.1915	CHERRY RIVET	CR3213-4-4	
24	24	24	76	601.0790	CHERRY RIVET	CR3213-4-3	
4	4	4	75	601.1604	CHERRY RIVET	CR3213-4-2	
4	4	4	74	601.1983	NUTPLATE RIVET	CCR274SS-3-03	
24	24	24	73	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
3	3	3	72	601.2999	SCREW		
5	5	6	71	601.2829	SCREW	MS24694S54	
2	2	2	70	601.1954	SCREW	MS27039-1-17	
4	4	4	69	601.2637	SCREW	MS27039-1-16	
1	1	1	68	601.3012	SCREW	MS27039-1-15	
4	4	4	67	601.1622	SCREW	MS27039-1-14	
2	2	2	66	601.1953	SCREW	MS27039-1-12	
6	6	6	65	601.1365	SCREW	MS27039-1-10	
12	12	12	64	601.3069	SCREW	MS27039-1-09	
3	3	3	63	601.2198	SCREW	MS27039-1-07	
		2	62	601.3137	SCREW	MS27039-0816	
4	4	4	61	601.2988	SCREW	MS27039-0813	
1	1	1	60	601.2525	SCREW	MS27039-0807	
4	4	4	59	601.3127	LOCKNUT	MS21042L5	
2	2	2	58	647.8512	INSERT		
4	4	4	57	647.8511	INSERT		
20	20	18	56	647.8510	INSERT		
4	4	4	55	601.3128	NUT	AN316C4R	
4	4	8	54	601.3209	LOCKNUT	MS21042L4	
35	35	34	53	601.2943	LOCKNUT	MS21042-3	
5	5	7	52	601.2973	LOCKNUT	MS21042-08	
		4	51	601.3002	BOLT	NAS6604-66	
7307	7304	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

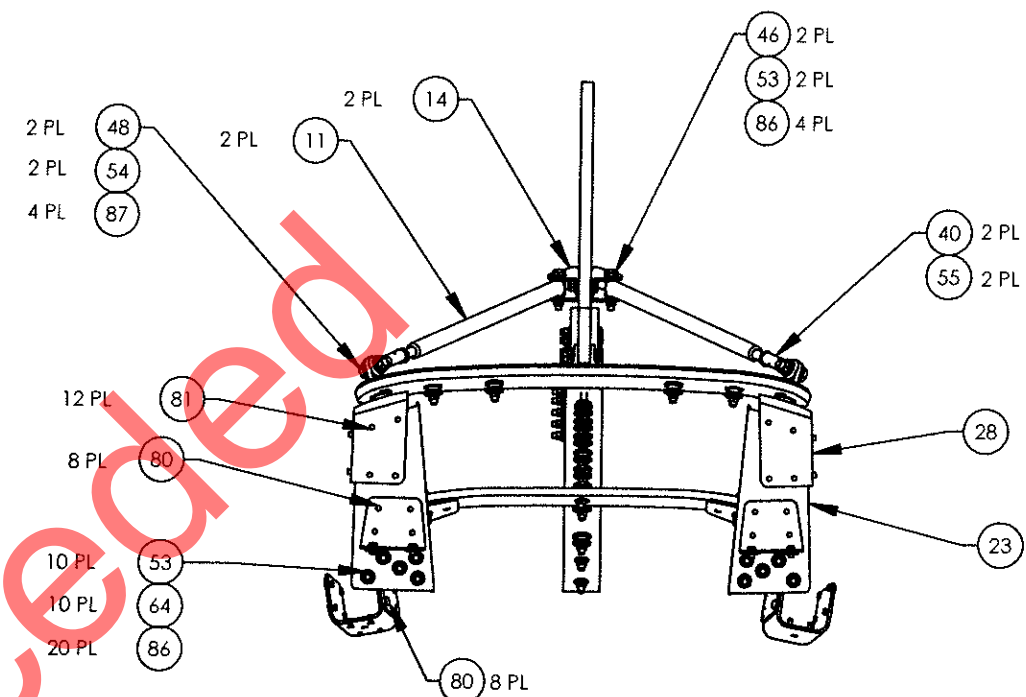
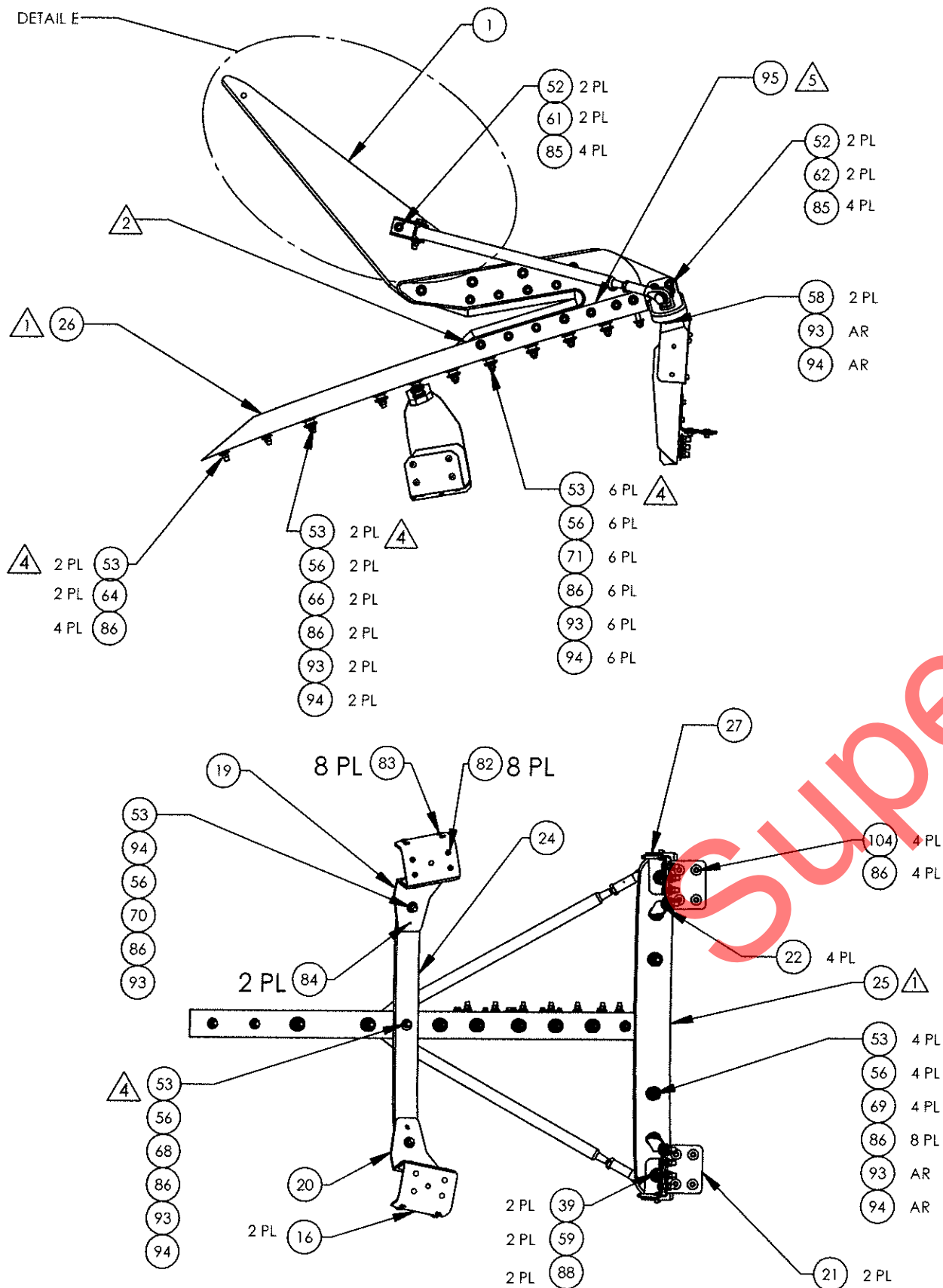
UNDER REVIEW
URF 17-611 SAD

ORIGINAL DATE
(MO-DA-YR) 11/24/09
DRAWN BY A. QUAN
CHECKER D. BARKER
DRAWING APPROVAL
P. BRAVO
01/13/10
CONTRACT No.

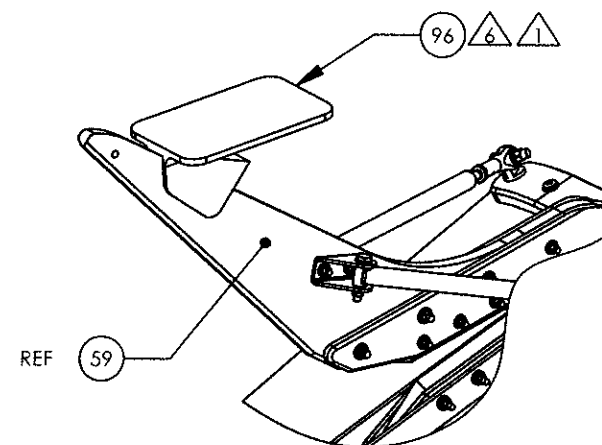
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

DART 3030 ENTERPRISE CT., SUITE A
AEROSPACE VISTA, CA. 92081
APICAL INDUSTRIES, INC. dba DART AEROSPACE (760)-724-5300
EC135 CABLE CUTTERS KIT
SIZE B CAGE CODE 07MZ6 DWG. NO. 647.7300 REV. C
SCALE NONE SHEET 2 OF 8

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DETAIL A



DETAIL E
TYPICAL GPS MOUNT KIT INSTALLATION

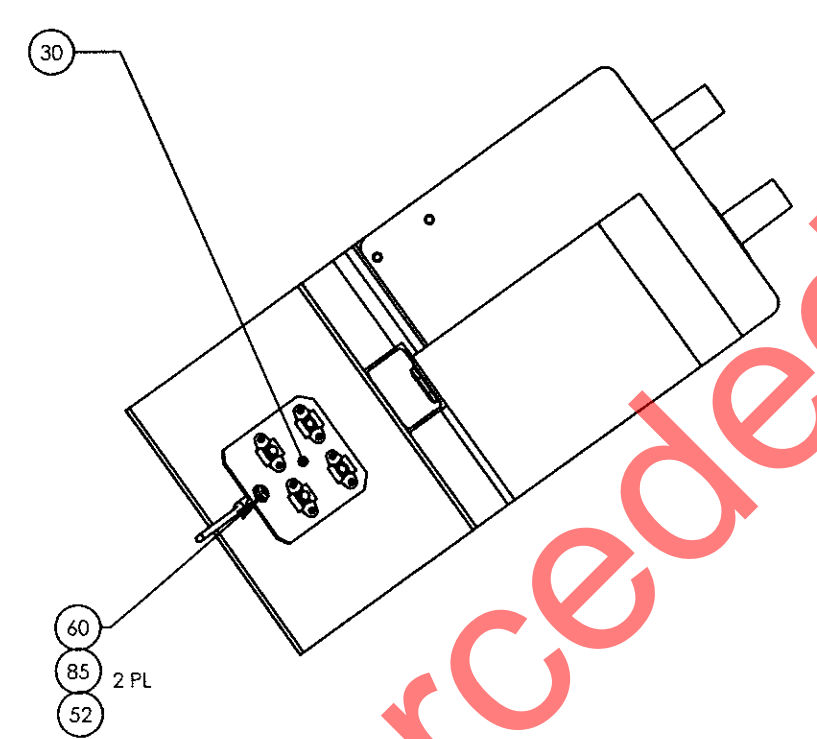
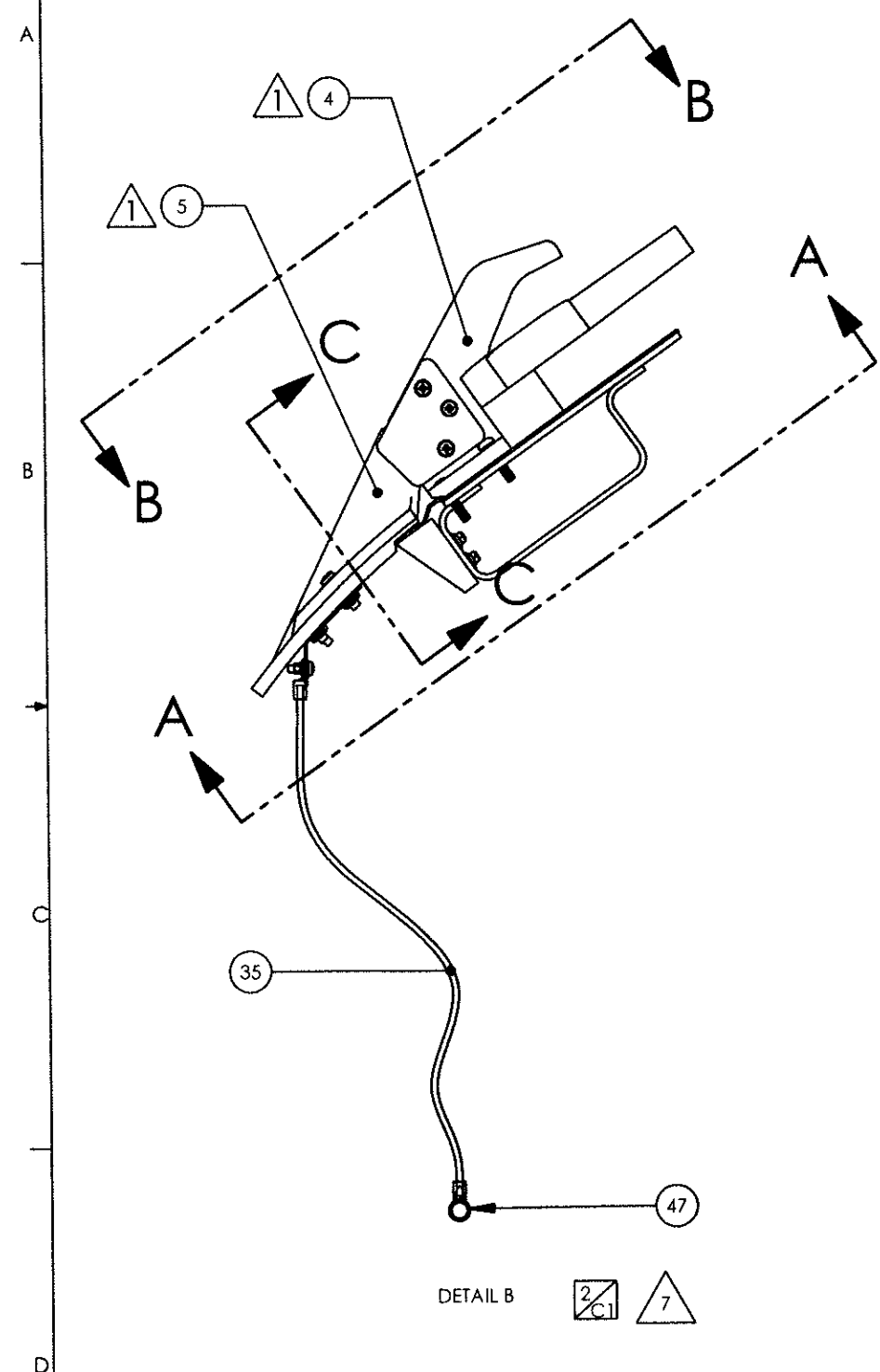
UNDER REVIEW
URF 17-611 SAD

ORIGINAL DATE (MO-DA-YR) 11/24/09	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/19/10	
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
SIZE B	CAGE CODE 07M26
DWG. NO. 647.7300	REV. C
SCALE NONE	SHEET 3 OF 8

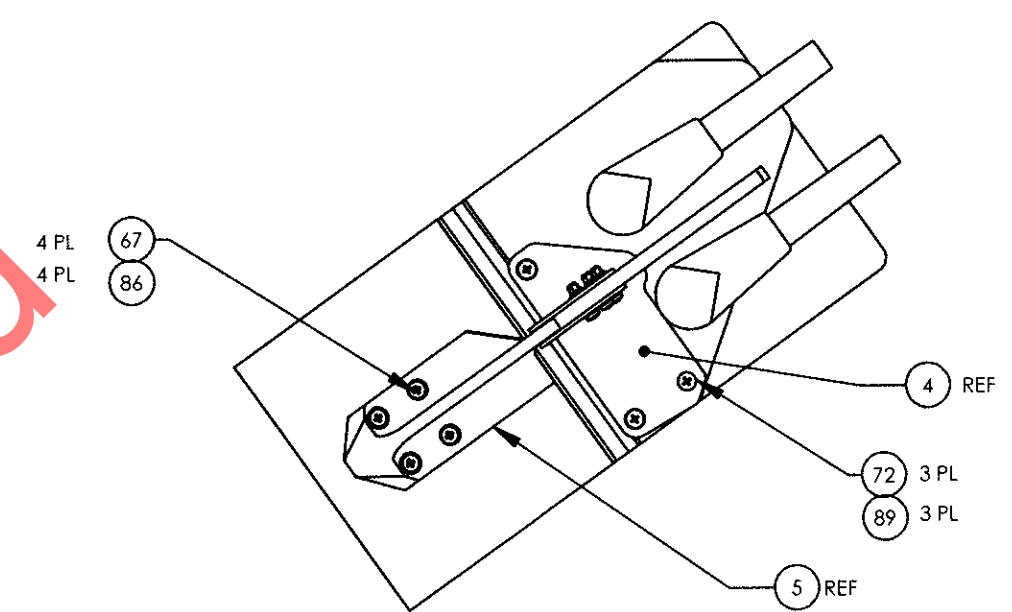
DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

EC135 CABLE CUTTERS KIT

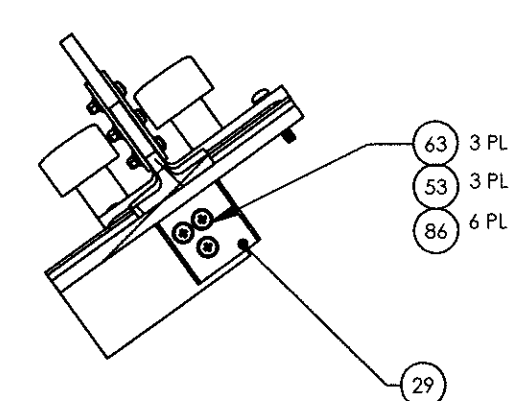
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SECTION A-A



SECTION B-B

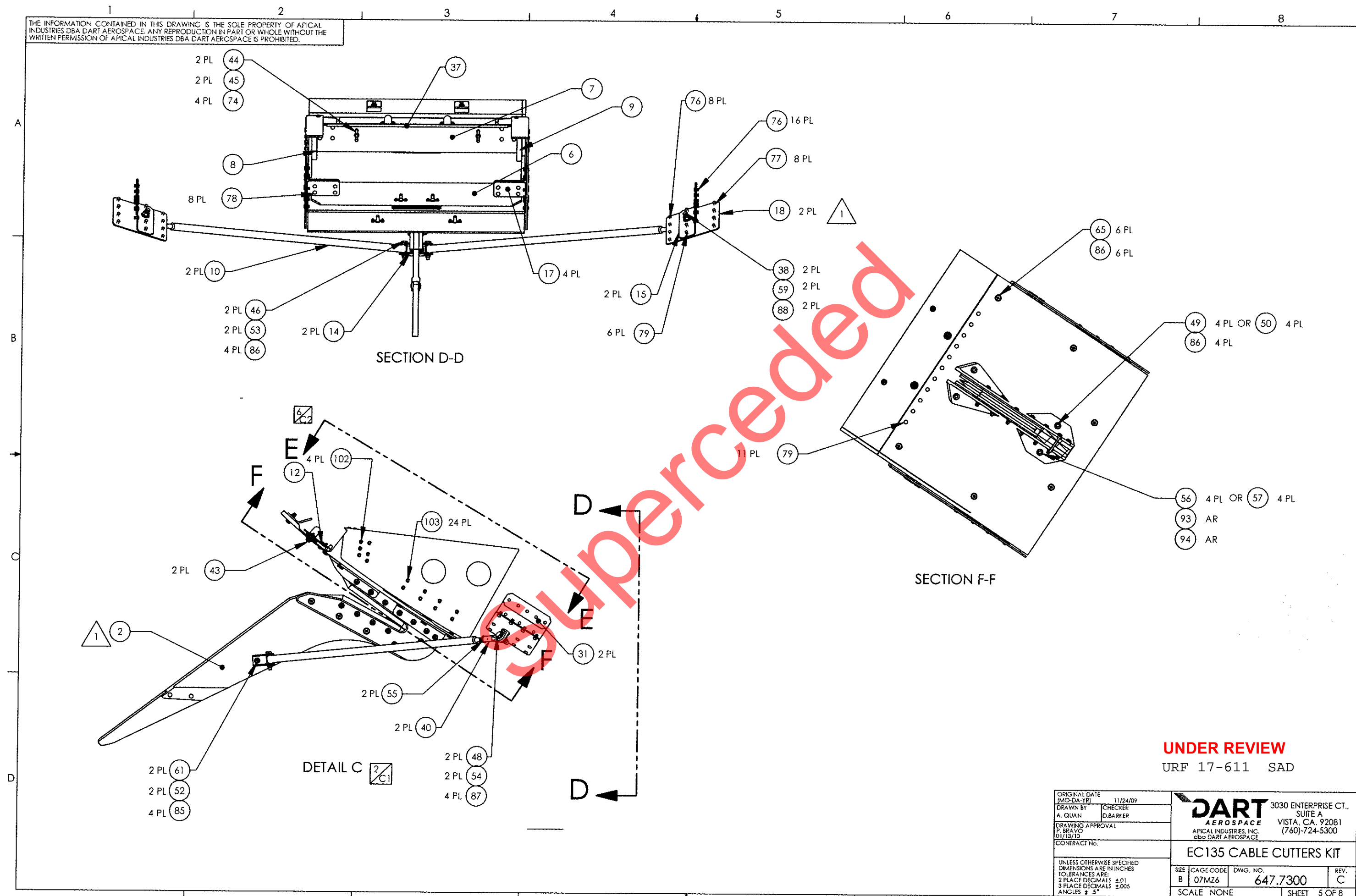


SECTION C-C


UNDER REVIEW
URF 17-611 SAD

ORIGINAL DATE (MO-DA-YR) 11/24/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN		CHECKER D. BARKER	
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± 5°		SIZE B 07MZ6	DWG. NO. 647.7300
SCALE NONE		REV. C	
SHEET 4 OF 8			

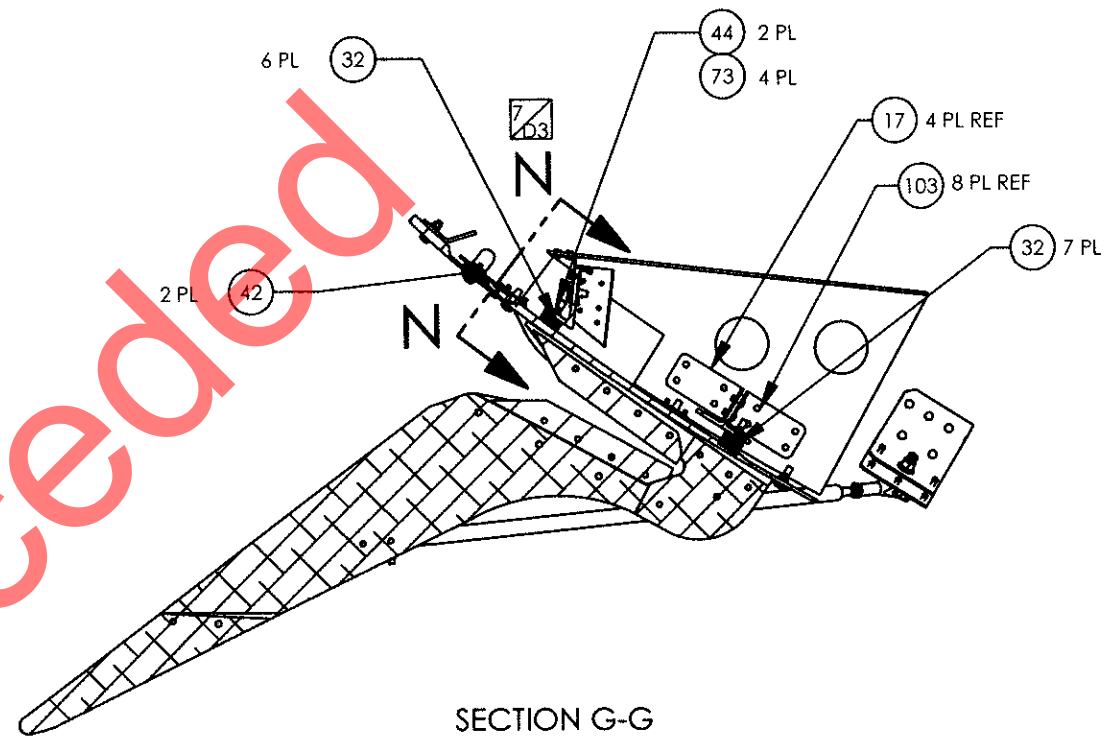
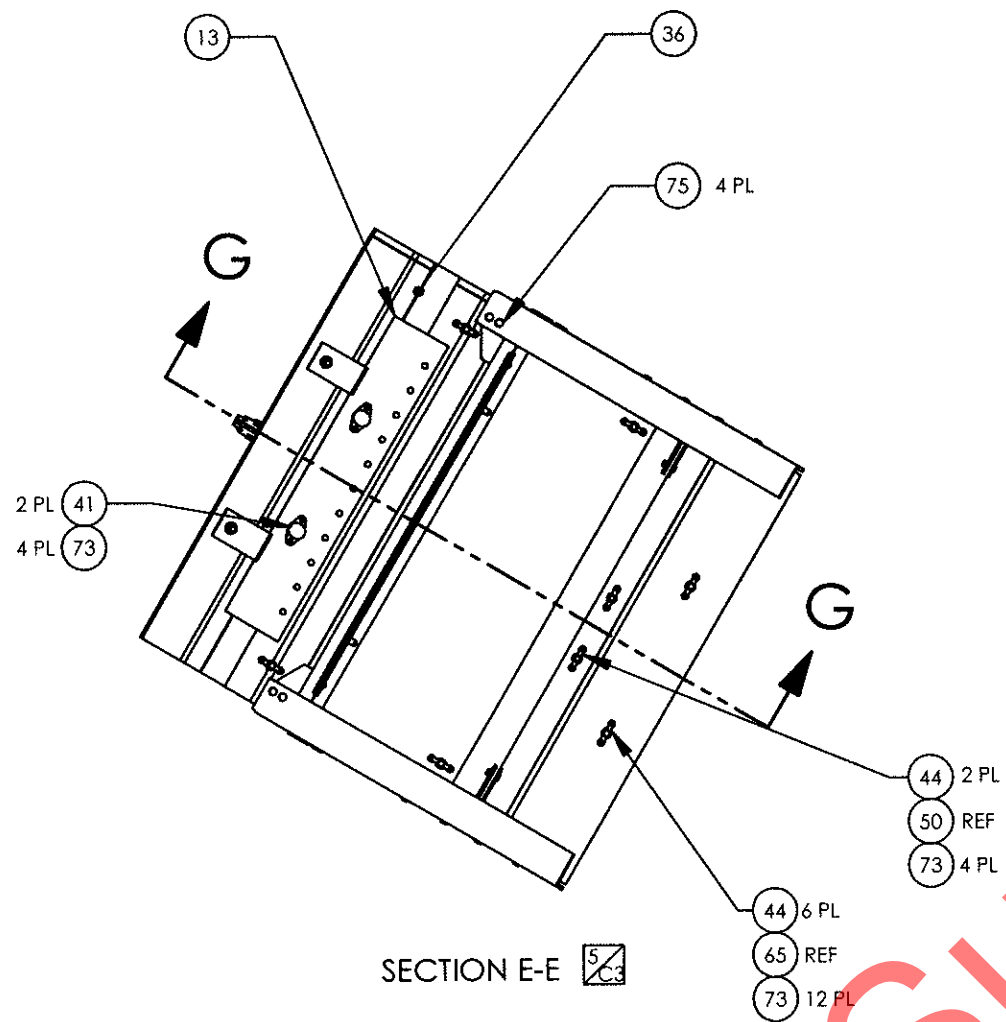
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UNDER REVIEW
URF 17-611 SAD

ORIGINAL DATE (INC-DA-YR)	11/24/09	 DART AEROSPACE		3030 ENTERPRISE CT., SUITE A	
DRAWN BY A. GUAN	CHECKER D. BAKER			VISTA, CA. 92081 (760)-724-5300	
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE			
CONTRACT No.		EC135 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2. PLG DECIMALS ±.01 3. PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07M76	647.7300	C
		SCALE NONE		SHEET 5 OF 8	

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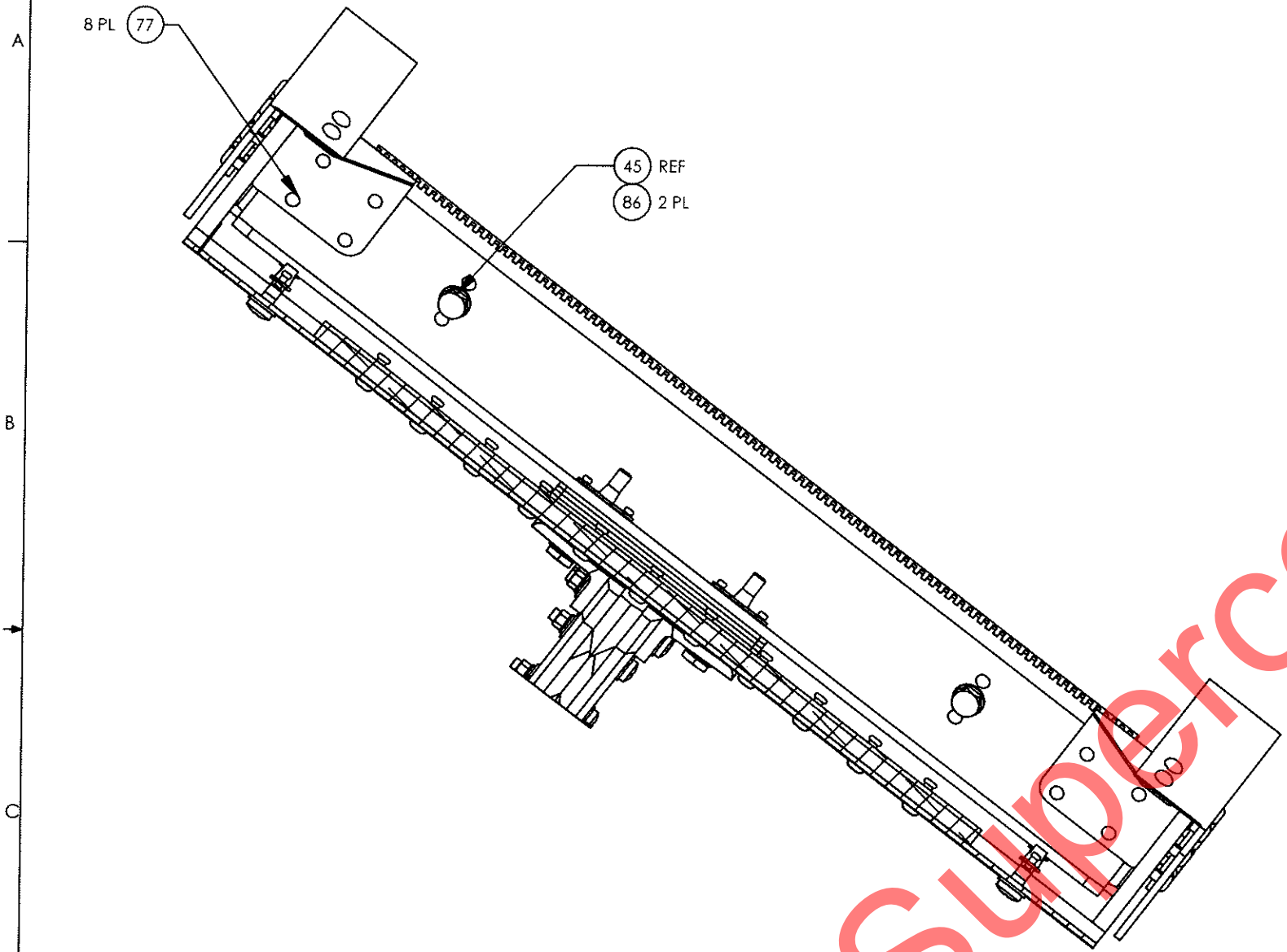


UNDER REVIEW
URF 17-611 SAD

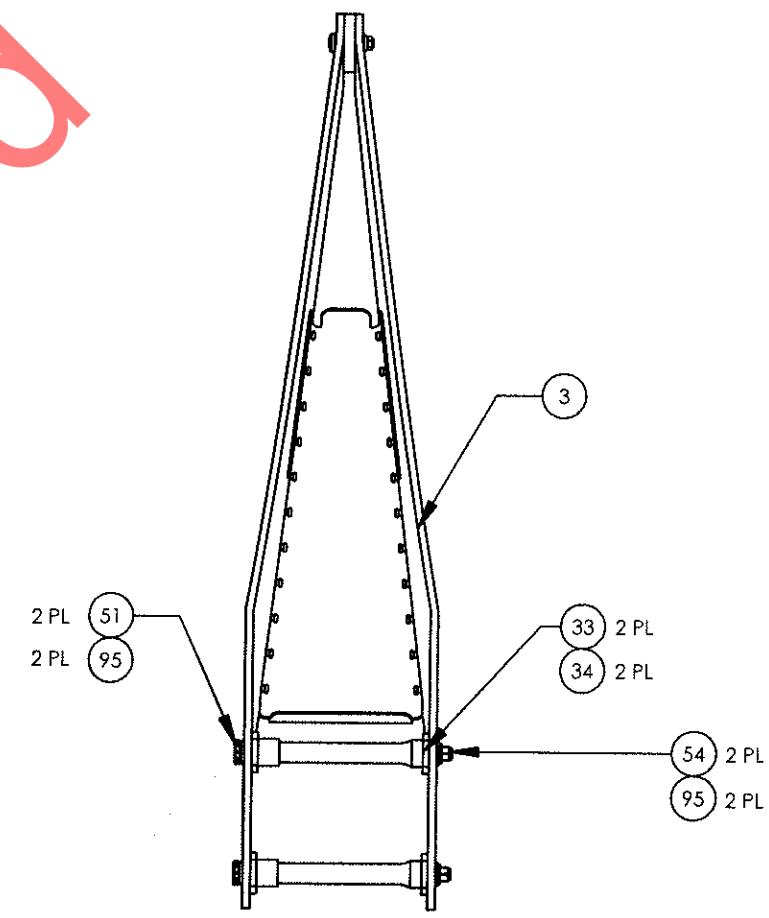
ORIGINAL DATE (MO-DA-YR) 11/24/09	DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300		
DRAWN BY A. GUAN	CHECKER D. BARKER	APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWING APPROVAL P. BRAVO 01/13/10		EC135 CABLE CUTTERS KIT	
CONTRACT No.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 647.7300
SCALE NONE		SHEET 6 OF 8	


1 2 3 4 5 6 7 8


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INBOARD →



DETAIL D 

TYP 2 PL 

SECTION N-N 

UNDER REVIEW
URF 17-611 SAD

ORIGINAL DATE [MO-DA-YR] 11/24/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN		CHECKER D.BARKER	
DRAWING APPROVAL P. BRAVO 01/15/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE B	CAGE CODE 07MZ6
		DWG. NO. 647.7300	REV. C
		SCALE NONE	SHEET 7 OF 8

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